

ABSTRACT OF THE DISCLOSURE

A highly efficient flame arrester adapted for use in preventing an external flame from backflashing upstream in a pipe, or a conduit, or a stream carrying a flammable substance. The flame arrester comprises a contained layer of nested ellipsoids formed from expanded metal sheets made from magnesium alloy foil. The arrester is useful in fuel tanks, combustion systems, sea-going tankers, hot water or space heaters, and the like.